

Name:

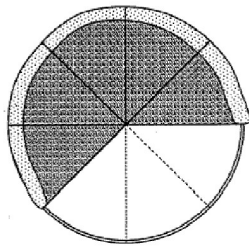
Date:

**Grade 4
Mathematics Probe
Form A**

1. What should replace \square in the number sentence below?
 $5\square 3 = 15$

- A. +
- B. -
- C. \times
- D. \div

2.



The figure above shows that part of a pizza has been eaten. What part of the pizza is still there? Write your answer as a fraction.

3. Six students bought exactly enough pens to share equally among themselves. Which of the following could be the number of pens bought?

- A. 46 B. 48 C. 50 D. 52

4. Karla has 12 boxes that each weigh the same amount. What would be a quick way for her to find the total weight of the 12 boxes?

- A. Add 12 to the weight of one of the boxes.

- B. Subtract 12 from the weight of one of the boxes.
- C. Divide the weight of one of the boxes by 12.
- D. Multiply the weight of one of the boxes by 12.

5. How many 30s in 300?

- A. 0 B. 1 C. 10 D. 1000

6. Which of the following is closest to 15 seconds?

- A. 14.7 seconds
- B. 14.9 seconds
- C. 15.2 seconds
- D. 15.3 seconds

7. When you subtract my number from 900, the answer is greater than 400. What could my number be?

8. By how much would the value of 5,647 be decreased if the 5 were replaced by a 2?

- A. 3
- B. 300
- C. 3,000
- D. 30,000

9.



The picture shows the flowerpots in which Kevin will plant flower seeds. He needs 3 seeds for each pot. How many seeds Kevin will need for all of the pots?

_____ seeds

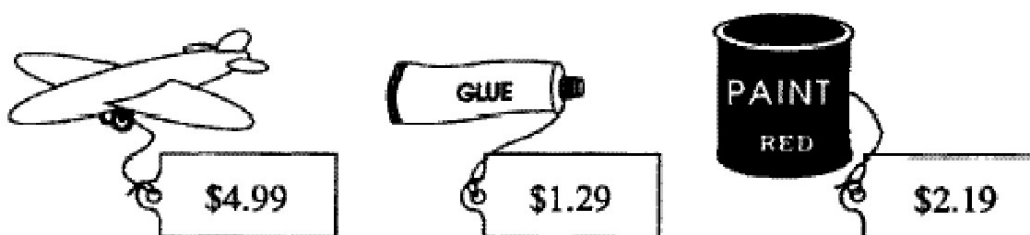
10. Which number sentence is true?

- A. $8 < 5$
- B. $5 > 8$
- C. $5 = 8$
- D. $8 > 5$

11. Pat has 3 fish bowls. There are 4 plants and 5 fish in each bowl. How many fish does Pat have?

_____ fish

12.



Chen had to buy a model plane, glue, and paint as show above. At which of the following times could an estimate have been used instead of exact numbers?

- A. When Chen tried to decide whether or not he had enough money to buy the plane, glue, and paint.
- B. When the clerk entered each amount into the cash register.
- C. When the clerk told Chen how much he owed.
- D. When Chen counted his change

13. If n represents the number of newspapers that Lee delivers each day, which of the following represents the total number of newspapers that Lee delivers in 5 days?

- A. $5 + n$
- B. $5 \times n$
- C. $n + 5$
- D. $(n + n) \times 5$

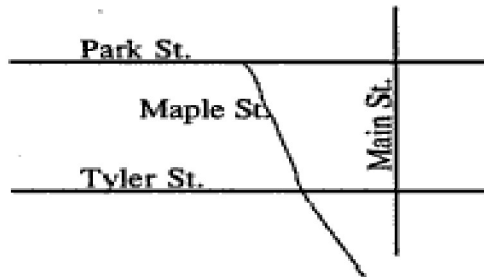
14.

Rule:	
INPUT X	OUTPUT Y
12	3
16	4
24	6
40	10

What is the rule used in the function table to get the numbers in column Y from the numbers in column X ?

- A. Divide the number in column X by 4.
- B. Multiply the number in column X by 4.
- C. Subtract 9 from the number in column X .
- D. Add 9 to the number in column X .

15.



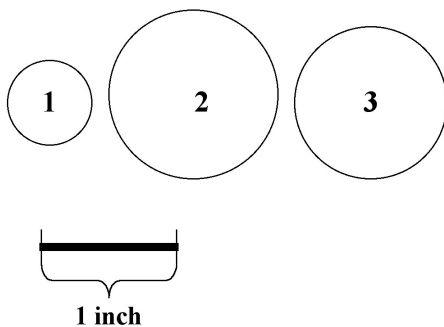
According to the map in the figure above, which streets appear parallel to each other?

_____ and _____

16. The perimeter of a square is 36 inches. What is the length of one side of the square?

_____ inches

17.



Which circle has a diameter of less than 1 inch?

18. If you paid for an item costing 48¢, what is the fewest pennies you would get in change

- A. 2
- B. 3
- C. 8
- D. 52

19.

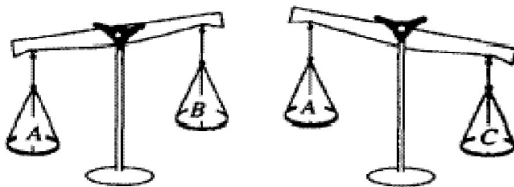


About how many centimeters long is the branch above?

_____ cm

20. If Today is Tuesday, July 12, what day of the week will it be on July 22nd?

21.



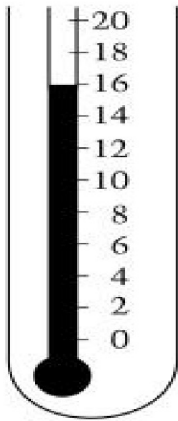
The weights of three objects were compared using a pan balance. Two comparisons were made as shown in the figure above. Which object is the heaviest?

_____ is heaviest

22. The length of a trail that Pat hiked in one day could have been

- A. 500 centimeters
- B. 5 meters
- C. 50 meters
- D. 5 kilometers

23.



The Celsius temperature rose from 4 degrees above zero to the temperature shown on the thermometer above. How many degrees did the temperature rise?

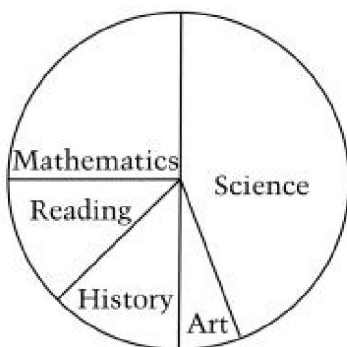
_____ degrees

24.

Stickers	Number
Red	
Blue	
Yellow	
Green	++++

The 16 stickers listed above are placed in a box. If one sticker is drawn from the box, which color is it most likely to be?

25.



The circle graph above shows the portion of time Pat spent on homework in each subject last week. If Pat spent 2 hours on mathematics, how many hours did Pat spend on homework altogether?

_____ hours

